

Figure 1

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Human      MAPGKKEEKGPAKSAALRKIRATLVISLARQVQQAHHNSIRQAGEPTOMLPQGTQDSP 60
Mouse      MAPGKKEEKGPAKSAALRKIRATLVISLARQVQQAHHNSIRQAGEPTOMLPQGTQDSP 60

Human      QAPKPIPTPTSEKKAQSAPEKSPPLPFGEGDQSSKAPKVSNIKKEKVKTYVVKTYER 120
Mouse      MAPKKEAGP-----IQMAPKTLSEKFPDHDGQSSKAPKVSNIKKEKVKTYVVKTYER 114
Zebrafish                                     ITGIVTKAITPKCEK 17

Human      GGDVSELSERYEDAGVLEPGQPEHDIKILSSNGSPTRRRKCANLVSELTGWRVMEQH 180
Mouse      GGDVSELSERYEDAGVLEPGQPEHDIKILSSNGSPTRRRKCANLVSELTGWRVMEQH 174
Zebrafish  GKDLVSEVIREKINTN-----QITTEDTKHPLGHESTTRRRKCGKAGTFVKAIGRKEGK 71

Human      EPTWASDEVDTEDSGYGGRAKRRKPKQDGVQVAVVRIKPLPSQVRRPT-ERKCKAQQNY 238
Mouse      EPTWASDEVDTEDSGYGGRAKRRKPKQDAAPVAPARIKPLPSQVRRPT-ERKCKAHNRY 233
Zebrafish  EPGKSSSLDADDSGLC-----EASLSD-----WEDLNKSPKEEVNKKIKV 115
C.elegans                                     SIACAKID 9
D.melanogaster                               MTDVSEHSGALRPVVD 16

Human      QGELGRWQQWADDEHISGLSPFSFDIYELNSRLKQDEGYGRPKKGTAKARA 299
Mouse      QGELGRWQQWADDEHISGLSPFSFDIYELNSRLKQDEGYGRPKKGTAKARA 293
Zebrafish  QGELGRWQQWADDEHISGLSPFSFDIYELNSRLKQDEGYGRPKKGTAKARA 174
C.elegans  KTFKPEKQVATKEDDVKEDKEMDES-----E-----TGPPEGLTERA 60
D.melanogaster KTFKPEKQVATKEDDVKEDKEMDES-----E-----TGPPEGLTERA 73

Human      AKEBIRSHCFICMAK--DGKIQTFGLFDAYVNSDRVVGILRRARR 357
Mouse      AKEBIRSHCFICMAK--DGKIQTFGLFDAYVNSDRVVGILRRARR 351
Zebrafish  AKEBIRSHCFICMAK--DGKIQTFGLFDAYVNSDRVVGILRRARR 351
C.elegans  AKEBIRSHCFICMAK--DGKIQTFGLFDAYVNSDRVVGILRRARR 115
D.melanogaster AKEBIRSHCFICMAK--DGKIQTFGLFDAYVNSDRVVGILRRARR 133

Human      GDFEGENLVQGRDDVVVTLEK 381
Mouse      GDFEGENLVQGRDDVVVTLEK 375
C.elegans  KDFEGENLVQGRDDVVVTLEK 162
D.melanogaster KDFEGENLVQGRDDVVVTLEKPIKIRSENEAKIKKRAASPAPPQSTSVLMDSF 193

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Figure 2

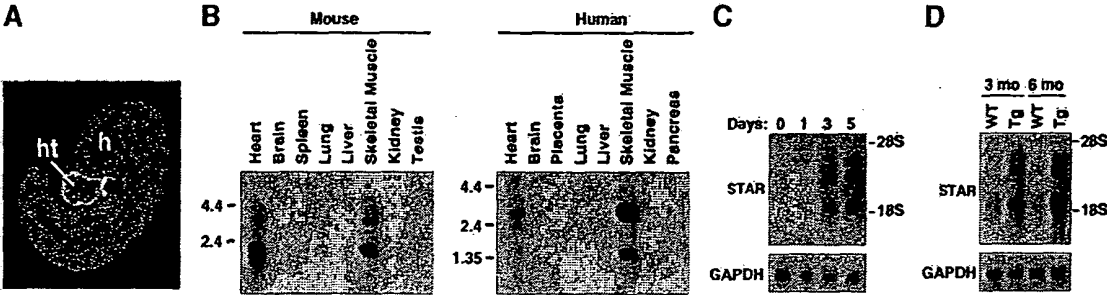


Figure 3

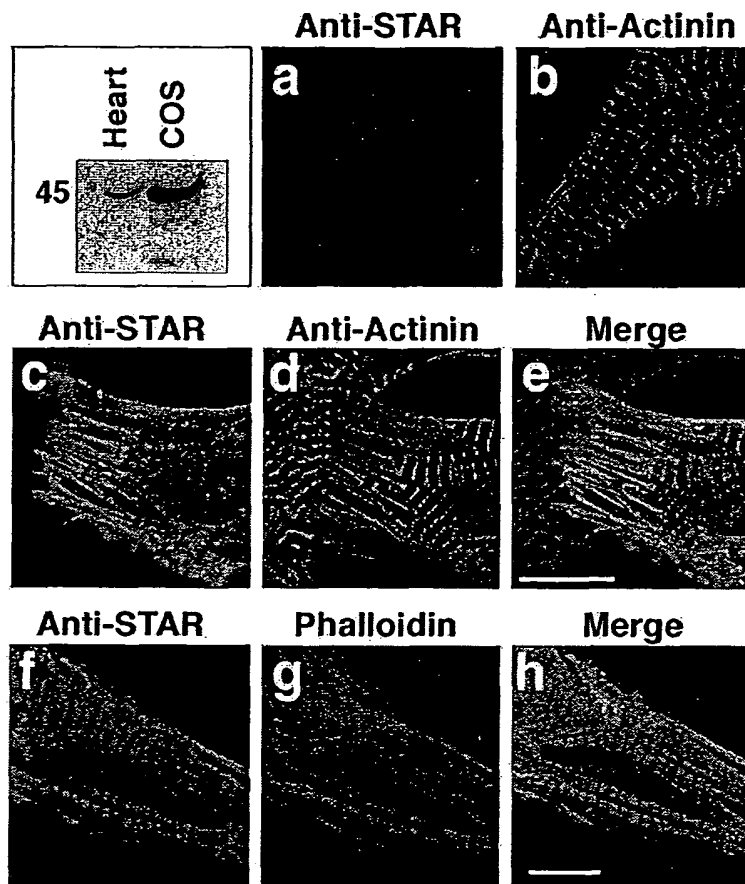


Figure 4

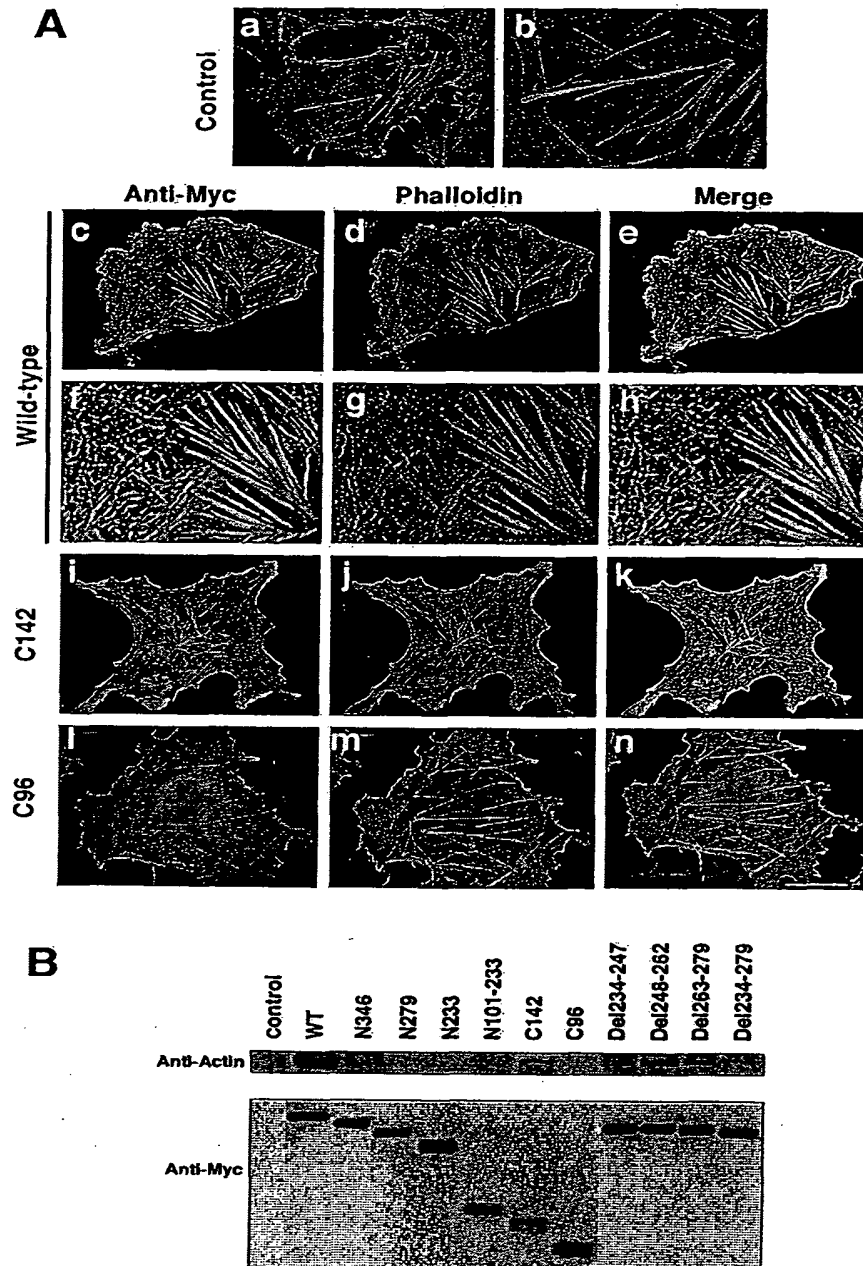


Figure 5

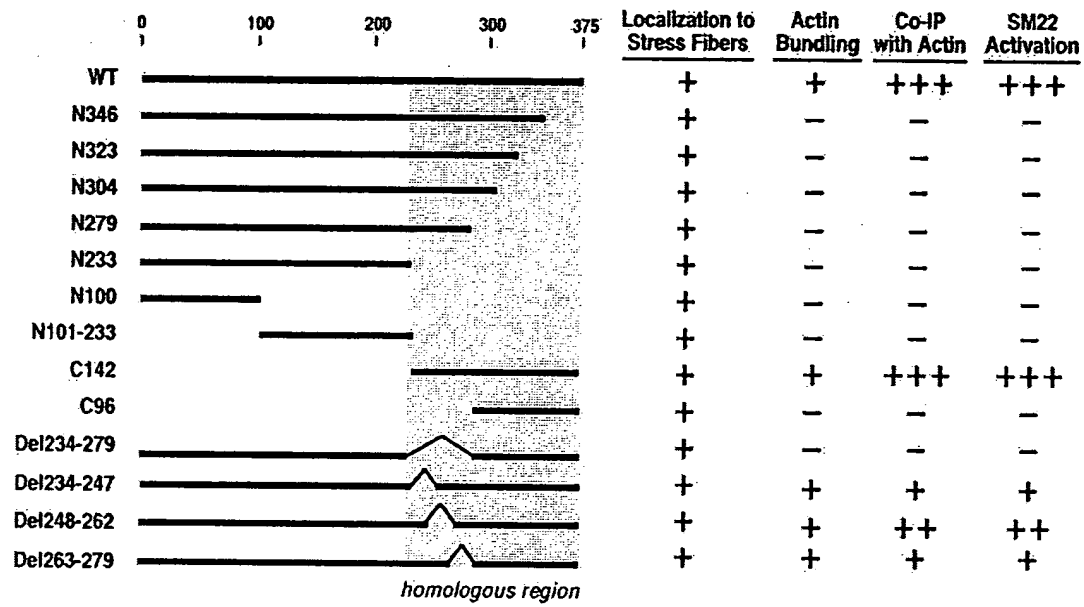


Figure 6

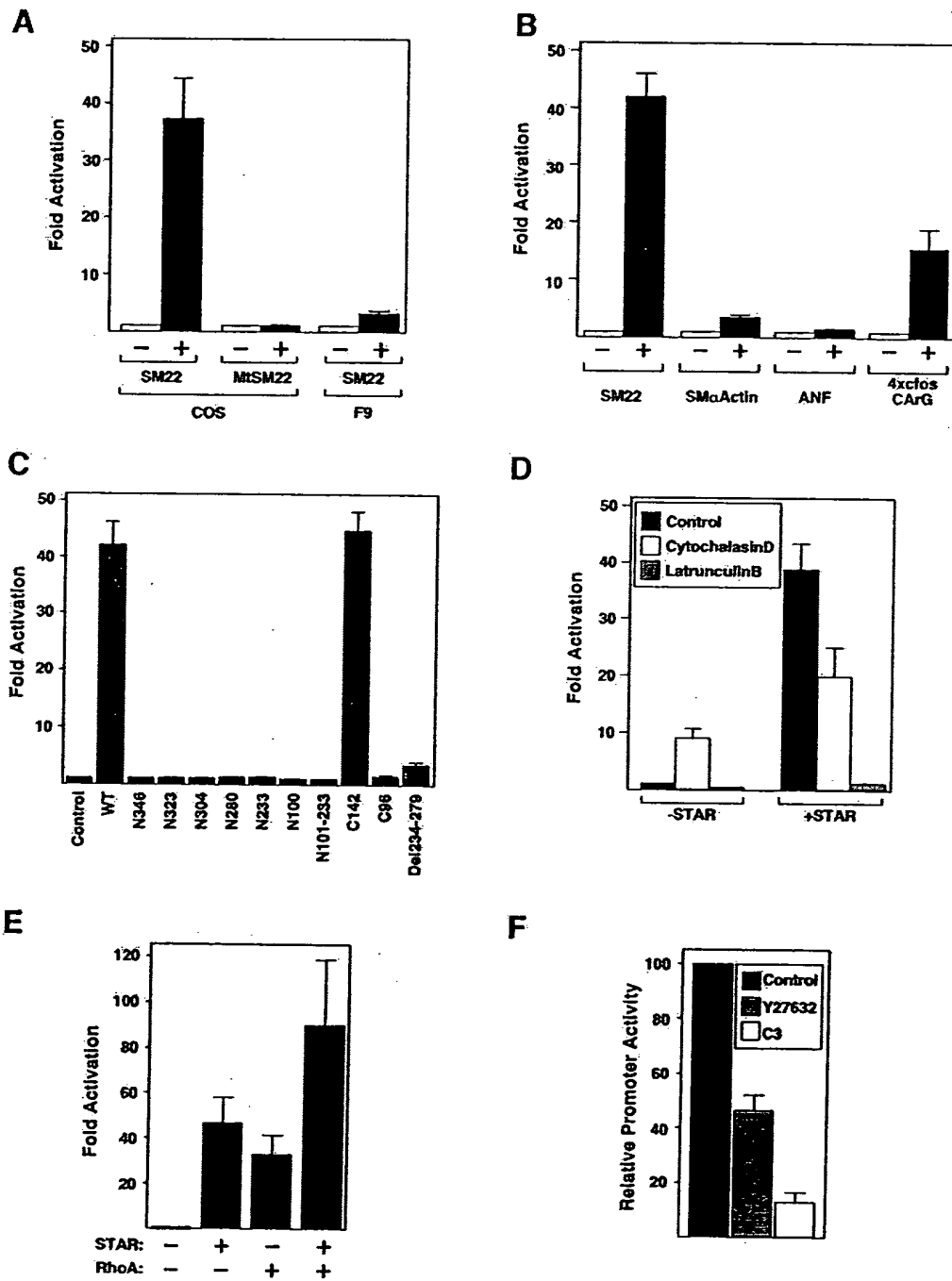


Figure 7

